

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/802,540A

Source:

IFW/6

Date Processed by STIC:

8/22/06

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IFW16

## RAW SEQUENCE LISTING

DATE: 08/25/2006

PATENT APPLICATION: US/10/802,540A

TIME: 12:04:38

Input Set : N:\SSLM\J802540.raw

Output Set: N:\CRF4\08252006\J802540A.raw

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1 <110> APPLICANT: Pepinsky, Blake
2      Runkel, Laura
3      Brickelmaier, Margot
4      Whitty, Adrian
5      Hochman, Paula
6 <120> TITLE OF INVENTION: Polymer Conjugates of Interferon Beta-1a and Uses
7 <130> FILE REFERENCE: BII-008.02
8 <140> CURRENT APPLICATION NUMBER: US/10/802,540A
C--> 9 <141> CURRENT FILING DATE: 2004-03-26
10 <150> PRIOR APPLICATION NUMBER: 09/832,658
11 <151> PRIOR FILING DATE: 2001-04-11
12 <150> PRIOR APPLICATION NUMBER: PCT/US99/24201
13 <151> PRIOR FILING DATE: 1999-10-15
14 <150> PRIOR APPLICATION NUMBER: 60/104,572
15 <151> PRIOR FILING DATE: 1998-10-16
16 <150> PRIOR APPLICATION NUMBER: 60/120,161
17 <151> PRIOR FILING DATE: 1999-02-16
18 <160> NUMBER OF SEQ ID NOS: 56
19 <170> SOFTWARE: PatentIn ver. 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 549
23 <212> TYPE: DNA
24 <213> ORGANISM: Mus sp.
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27      aacttgcttg gattcctaca aagaagcagc aattttcagt gtcagaagct cctgtggcaa      120
28      ttgaatggga ggcttgaata ctgcctcaag gacaggatga actttgacat ccctgaggag      180
29      attaagcagc tgcagcagtt ccagaaggag gacgccgcat tgaccatcta tgagatgctc      240
30      cagaacatct ttgctatttt cagacaagat tcatctagca ctggctggaa tgagactatt      300
31      gttgagaacc tcctggctaa tgtctatcat cagataaacc atctgaagac agtcctggaa      360
32      gaaaaactgg agaaagaaga ttaccagg ggaaaactca tgagcagtct gcacctgaaa      420
33      agatattatg ggaggattct gcattacctg aaggccaagg agtacagtca ctgtgcctgg      480
34      accatagtca gagtggaaat cctaaggaa ctttacttca ttaacagact tacaggttac      540
35      ctccgaaac
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 183
39 <212> TYPE: PRT
40 <213> ORGANISM: Mus sp.
41 <400> SEQUENCE: 2
42      Ser Gly Gly His His His His His His Ser Ser Gly Asp Asp Asp Asp
43      1          5          10          15
44      Lys Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg Ser Ser Asn Phe
45      20          25          30

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46      Gln Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys
47          35                      40                      45
48      Leu Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu
49          50                      55                      60
50      Gln Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu
51          65                      70                      75                      80
52      Gln Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp
53          85                      90                      95
54      Asn Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile
55          100                     105                     110
56      Asn His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe
57          115                     120                     125
58      Thr Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly
59          130                     135                     140
60      Arg Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp
61          145                     150                     155                     160
62      Thr Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Phe Ile Asn Arg
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64      Leu Thr Gly Tyr Leu Arg Asn
65          180
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68 <211> LENGTH: 60
69 <212> TYPE: DNA
70 <213> ORGANISM: Homo sapiens
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75 <211> LENGTH: 39
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 4
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81 <210> SEQ ID NO: 5
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83 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 5
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89 <211> LENGTH: 35
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 6
93      ccggagctat gatgatgatg atgatggccc ccgga      35
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 87
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 7

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Output Set: N:\CRF4\08252006\J802540A.raw

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101      attttcagtg tcagaagctc ctgtggc      87
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104 <211> LENGTH: 60
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
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112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
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115      gcctcaagga caggatgaac tttgacatcc ctgaggagat taagcagctg ca      52
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118 <211> LENGTH: 76
119 <212> TYPE: DNA
120 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 10
122      aattgaatgg gagggctgca gcttgcgctg cagacaggat gaactttgac atccctgagg      60
123      agattaagca gctgca      76
125 <210> SEQ ID NO: 11
126 <211> LENGTH: 76
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
129 <400> SEQUENCE: 11
130      aattgaatgg gaggcttgaa tactgcctca aggacagggc tgcatttgct atccctgcag      60
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134 <211> LENGTH: 51
135 <212> TYPE: DNA
136 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 12
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140 <210> SEQ ID NO: 13
141 <211> LENGTH: 43
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 13
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147 <210> SEQ ID NO: 14
148 <211> LENGTH: 78
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo sapiens
151 <400> SEQUENCE: 14
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153      atctagcact ggctggaa      78
155 <210> SEQ ID NO: 15
156 <211> LENGTH: 78

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DATE: 08/25/2006

PATENT APPLICATION: US/10/802,540A

TIME: 12:04:38

Input Set : N:\SSLM\J802540.raw

Output Set: N:\CRF4\08252006\J802540A.raw

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157 <212> TYPE: DNA
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159 <400> SEQUENCE: 15
160      cgccgcattg accatctatg agatgctcca gaacatcttt gctattttcg ctgcagcttc      60
161      atctagcact ggctggaa      78
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164 <211> LENGTH: 72
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166 <213> ORGANISM: Homo sapiens
167 <400> SEQUENCE: 16
168      ggaatgcttc aattgttgct gcaactcctga gcaatgtcta tcatcagata aaccatctga      60
169      agacagttct ag      72
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172 <211> LENGTH: 72
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 17
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177      ctgcagttct ag      72
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180 <211> LENGTH: 44
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183 <400> SEQUENCE: 18
184      ctagctgcaa aactggctgc agctgatttc accaggggaa aact      44
186 <210> SEQ ID NO: 19
187 <211> LENGTH: 69
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189 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 19
191      ctagaagaaa aactggagaa agaagcagct accgctggaa aagcaatgag cgcgctgcac      60
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195 <211> LENGTH: 51
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 20
199      tattatggga ggattctgca ttacctgaag gccaaaggagt actcacactg t      51
201 <210> SEQ ID NO: 21
202 <211> LENGTH: 76
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 21
206      catgagcagt ctgcacctga aaagatatta tggggcaatt gctgcatacc tggcagccaa      60
207      ggagtactca cactgt      76
209 <210> SEQ ID NO: 22
210 <211> LENGTH: 87
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens

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DATE: 08/25/2006

TIME: 12:04:38

Input Set : N:\SSLM\J802540.raw

Output Set: N:\CRF4\08252006\J802540A.raw

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219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 23
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233 <211> LENGTH: 166
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235 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 25
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238      1          5          10          15
239      Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu
240      20          25          30
241      Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln
242      35          40          45
243      Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Gln
244      50          55          60
245      Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Thr Gly Trp Asn
246      65          70          75          80
247      Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn
248      85          90          95
249      His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr
250      100         105         110
251      Arg Gly Ala Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg
252      115         120         125
253      Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr
254      130         135         140
255      Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Arg Ile Asn Arg Leu
256      145         150         155         160
257      Thr Gly Tyr Leu Arg Asn
258      165
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261 <211> LENGTH: 166
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
264 <400> SEQUENCE: 26
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**VERIFICATION SUMMARY**

DATE: 08/25/2006

PATENT APPLICATION: US/10/802,540A

TIME: 12:04:39

Input Set : N:\SSLM\J802540.raw

Output Set: N:\CRF4\08252006\J802540A.raw

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**STATISTICS SUMMARY**

PATENT APPLICATION: US/10/802,540A

DATE: 08/25/2006

TIME: 12:04:39

Input Set : N:\SSLM\J802540.raw

Output Set: N:\CRF4\08252006\J802540A.raw

Application Serial Number: US/10/802,540A

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 03-26-2004

Art Unit: IFW16

Software Application: PatentIN3.2

Total Number of Sequences: 56

Total Nucleotides: 1927

Total Amino Acids: 5495

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 1

**MESSAGE SUMMARY**

271 C: 1 (Current Filing Date differs)